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ABSTRACT

In developing the Idaho College Populations study (see HE 004 192), each college in Idaho identified each Idaho freshman and junior student by the high school from which he graduated. Using the same raw data, an attempt has been made in the present study to establish a measure of relative pulling power of specific colleges on graduates of in-state high schools. On examining the data it becomes evident that the city in which the individual colleges are located has a good deal to do with the pulling power of the college. In addition, the type of institution, such as a vocational-technical versus a liberal arts college, or colleges with religious orientation, has a good deal to do with college choice of high school students. It is felt that the data presented here is inconclusive due to a lack of important controls in the mechanics of the study. (HS)

ED 077389

UNIVERSITY OF IDAHO

COMPARATIVE INSTATE COLLEGE PULLING POWER
ON
IDAHO HIGH SCHOOL GRADUATES
1970 - 1971

A study made for the Idaho Office of Higher Education

Project Director - Harry H. Caldwell

Department of Geography

HE 004 193

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ED 077389

COMPARATIVE INSTATE COLLEGE PULLING POWER ON IDAHO HIGH SCHOOL GRADUATES 1970 - 1971

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June, 1972

Comparative Instate College Pulling Power

on Idaho High School Graduates 1970 - 1971

In developing the Idaho College Populations study[1], each college in Idaho identified each Idaho freshman and junior student by the high school from which he graduated. That study sought to identify regions of instate college dominance, college changes between freshman and junior years, the relation of two year to four year institutions, the relation of private to public institutions and the relation of instate to out of state students at freshman, junior and graduate levels. That study provided basic framework material for the development of a state plan for higher education.

Using the same raw data an attempt has been made to establish a measure of relative pulling power of specific colleges on graduates of instate high schools. Unfortunately, several important controls are missing in this study: - especially the percentage of graduates from each Idaho high school who started at an out of state college.

The total number of Idaho high school graduates from any school enrolled in Idaho colleges for the first semester 1970-71 were assigned an index number of 100. Then a comparative index was developed for each high school's contribution to each college. Thus the index value is a percentage.

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1. Harry H. Caldwell "Idaho College Populations, 1970-1971, Geography Department, University of Idaho, February, 1972.

For example at Ricks College, Midway High School leads with an index number of 100 followed by Sugar Salem High School with an index of 93. It means that all of the Midway high school graduates who went on to college in Idaho that year went to Ricks but that 93% of the college bound Sugar Salem class for that year attended Ricks. Numbers of students are also shown because of frequent disparities between index or percentage values and the actual number of students enrolled. In the Ricks example the leading high school contributors that year were neither Midway nor Sugar Salem high schools but Madison and Bonneville high schools with each contributing one hundred students to the freshman class.

The more meaningful figures are the actual numbers, while the percentage or index values are approximations. Both high and low percentage values from small high schools could be misleading as they may reflect only a few students. Leading schools on both number and percentage lists are identified with an asterisk.

Errors are greatest for those high schools with relatively low percentage values but whose college bound students go mainly to an out of state institution. This problem is acute in Southeastern Idaho because of the high attraction factor of Brigham Young University and Utah State University. To a lesser extent, it has application in Southwestern Idaho and the attraction of the Oregon Universities, and to a small extent at Treasure Valley Community College in Ontario, Oregon. In Northern Idaho, the main out of state institutions are Washington State University in Pullman, Eastern Washington State College in Cheney, and Gonzaga and Spokane Community College in Spokane.

A final word of caution is required in drawing comparisons because

these statistics lump academic and vocational oriented students as an undifferentiated agglomeration. In long range higher education planning it is important to differentiate the dominant academic orientation of the University of Idaho with the strong vocational education loading factor in the statistics for Idaho State University, the College of Southern Idaho and Lewis Clark State College.

The higher the frequency of the same schools on both lists (count the asterisks), the more meaningful the attraction. In every instance the importance of the city where the college is located is quite obvious.

The value of this type of study would be enhanced if it were repeated every three or four years so that a trend could be ascertained. Important variables are reflected in the changing image of each college in the mind of the high school student, his peers and his parents, general ecomonic conditions in the state, and out of state tuition charges. If economic levels in Idaho are low and out of state tuition charges continue to escalate, it will mean that more Idaho high school graduates will attend college in their home state. On the other hand in southeastern and south central Idaho the exceedingly strong drawing pattern of Ricks College seems to indicate that religious affiliation factors remain a major criteria in the selection of a college for entering freshmen, even to a greater extent then economic considerations.

INSTATE HIGH SCHOOL GRADUATES

IN 1970 - 71 FRESHMAN CLASS

NIC (North Idaho College)

	High School	Percent or Index Value		High School	Numbers
* 1.	Lakeland	100	* 1.	Coeur d'Alene	216
2.	Worley	100	* 2.	Kellogg	61
* 3.	Coeur d'Alene	84	* 3.	Sandpoint	52
* 4.	Post Falls	92	* 4.	Post Falls	33
* 5.	Kootenai	78	* 5.	Lakeland	28
* 6.	Clark Fork	70	6.	Wallace	28
7.	Mullan	67	7.	Bonners Ferry	23
* 8.	Kellogg	62	8.	St. Maries	10
* 9.	Sandpoint	58	9.	Moscow	8
*10.	Priest River	44	*10.	Clark Fork	7
			*11.	Priest River	7
			*12.	Kootenai	7

LCSC (Lewis-Clark State College)

* 1.	Culdesac	66	* 1.	Lewiston	199
* 2.	Lewiston	65	* 2.	Grangeville	21
* 3.	Kendrick	58	* 3.	Orofino	19
* 4.	Timberline	43	* 4.	Clearwater Valley	11
* 5.	Lapwai	43	* 5.	Timberline	10
* 6.	Clearwater Valley	42	* 6.	St. Gertrude's Acad.	10
7.	Elk River	38	* 7.	Lapwai	9
* 8.	St. Gert. Acad.	36	8.	Highland	8
* 9.	Grangeville	34	* 9.	Kendrick	7
*10.	Orofino	33	*10.	Culdesac	6

Ricks

1.	Midway	100	* 1.	Madison	100
* 2.	Sugar Salem	93	* 2.	Bonneville	100
* 3.	Madison	87	3.	Idaho Falls	66
* 4.	Ririe	84	* 4.	South Fremont	65
* 5.	Bear Lake	83	5.	Skyline	64
6.	West Jefferson	77	* 6.	Rigby	61
* 7.	Teton	77	* 7.	Shelly	59
* 8.	Shelly	76	8.	Blackfoot	56
* 9.	Rigby	74	9.	Minico	52
10.	Raft River	71	10.	Burley	46
11.	Oakley	69	11.	Snake River	45
*12.	South Fremont	66	*12.	Sugar Salem	43
*13.	Bonneville	64	*13.	Teton	33
14.	Firth	62	*14.	Ririe	26
15.	West Side	60	*15.	Bear Lake	24

INSTATE HIGH SCHOOL GRADUATES

IN 1970 - 71 FRESHMAN CLASS

University of Idaho	High School	Percent or Index Value	High School	Numbers
1.	Genesee	88	* 1. Moscow	118
2.	Deary	86	2. Lewiston	78
* 3.	Moscow	86	* 3. Bonners Ferry	32
4.	Nez Perce	67	4. Boise	31
5.	Craigmont	67	5. Sandpoint	30
6.	Troy	59	6. Kellogg	29
7.	Kamiah	58	* 7. Wallace	29
8.	Potlatch	55	8. Borah	28
* 9.	Bonners Ferry	51	9. Skyline (I.F.)	27
10.	Elk River	50	*10. Grangeville	25
11.	Plummer	50	11. Idaho Falls	24
12.	Lapwai	48	12. Coeur d'Alene	24
13.	Prairie	45	13. Twin Falls	23
14.	Cascade	44	14. Capital (Boise)	22
*15.	Wallace	33	15. Minico	21
16.	Salmon River	42	16. Orofino	21
*17.	Payette	41	17. Emmett	20
*18.	Grangeville	40	18. Caldwell	20
19.	St. Maries	39	19. Weiser	19
20.	Priest River	38	20. Nampa	18
21.	Cambridge	38	*21. Payette	18
Idaho State University				
* 1.	North Gem	92	* Pocatello	352
* 2.	Pocatello	91	* Highland (Pocatello)	182
* 3.	Highland (Poc.)	81	* Blackfoot	94
* 4.	Marsh Valley	80	Idaho Falls	82
5.	Clark Co. (Dubois)	71	Skyline (I.F.)	68
* 6.	American Falls	64	* North Gem (Bancroft)	61
* 7.	Soda Springs	61	Minico	55
* 8.	Aberdeen	56	Twin Falls	50
9.	Grace	52	* American Falls	43
*10.	Blackfoot	51	Bonneville	41
*11.	Salmon	51	* Marsh Valley (Arimo)	39
12.	Malad	45	Burley	32
13.	Bliss	44	* Salmon	29
14.	Butte	42	* Soda Springs	27
15.	Concil	42	* Aberdeen	27

INSTATE HIGH SCHOOL GRADUATES
IN 1970 - 71 FRESHMAN CLASS

Boise State College (Day)

	High School	Percent or Index Value
1.	Gem St. Academy	92
2.	IHM (Coeur d'Alene)	89
3.	Rimrock (Grandview)	84
* 4.	Borah	80
* 5.	Bishop Kelly	77
6.	Garden Valley	75
* 7.	Capital	75
* 8.	Meridian	76
* 9.	Boise	65
10.	McCall	65
11.	Wilder	64
12.	New Plymouth	62
13.	Middleton	62
14.	Salmon River	58
*15.	Vallivue	58

	High School	Numbers
*	Borah	406
*	Boise	348
*	Capital	231
	Nampa	145
*	Meridian	128
*	Bishop Kelly (Boise)	77
	Caldwell	72
	Emmett	55
	Minico	44
	Mountain Home	43
*	Vallivue (Caldwell)	33
	Twin Falls	26
	Wood River (Hailey)	22
	Homedale	21
	Weiser	20

INSTATE HIGH SCHOOL GRADUATES

IN 1970 - 71 FRESHMAN CLASS

College of Idaho

	High School	Percent or Index Value
1.	Wilder	18
* 2.	Caldwell	15
3.	Melba	13
4.	Shoshone	11
5.	Homedale	10
6.	Kuna	8

	High School	Number
*1.	Caldwell	24
2.	Twin Falls	11
3.	Nampa	9
4.	Boise	8
5.	Buhl	5
6.	Idaho Falls	5

NNC (Northwest Nazarene College)

1.	Greenleaf Acad.	22
* 2.	Nampa	10
* 3.	Parma	8
4.	Kimberly	5

*1.	Nampa	26
2.	Boise	3
3.	Caldwell	3
*4.	Parma	3

This study was extended to an analysis of the junior class in attendance in the 1970-1971 school year. The results which follow show several changes in the ranking positions between the freshman and the junior classes. Ricks, College of Southern Idaho and North Idaho College are two year institutions and have no junior classes. Both the College of Idaho and Northwest Nazarene College were also omitted from the junior class analysis because of their dominance of out of state students and their small instate numerical impact.

At Idaho State University and at Lewis Clark State College the junior class is much smaller than the freshman class because the vocational education program enrollment does not extend into the junior year. There were actually more Lewiston high school graduates in the junior class at the University of Idaho than in Lewiston based Lewis Clark State College.

For the University of Idaho, Idaho State University and the day program at Boise State College, only the leading high schools were listed with a maximum of twenty-five schools. Schools counting fewer than ten students were not included.

INSTATE HIGH SCHOOL GRADUATES

IN 1970 - 1971 JUNIOR CLASS

University of Idaho

	High School	Percent or Index Value		High School	Number
1.	Rathdrum	100	1.	Lewiston	68
2.	Plummer	100	* 2.	Moscow	51
* 3.	Moscow	93	* 3.	Coeur d'Alene	39
* 4.	Sandpoint	91	* 4.	Sandpoint	39
* 5.	Orofino	87	5.	Twin Falls	35
* 6.	Bonners Ferry	84	6.	Borah	32
7.	Post Falls	82	7.	Boise	30
8.	Camas County	80	* 8.	Kellogg	29
9.	Clark Fork	80	9.	Nampa	26
10.	Genesee	77	*10.	Orofino	26
*11.	St. Maries	76	11.	Idaho Falls	25
12.	Prairie	75	12.	Skyline (I.F.)	24
13.	Deary	75	*13.	Wallace	22
14.	Midvale	75	14.	Caldwell	22
15.	Troy	71	*15.	Bonners Ferry	21
*16.	Nez Perce	71	16.	Gooding	18
*17.	Potlatch	70	*17.	Nez Perce	17
*18.	Kellogg	69	18.	Minico	17
*19.	Wallace	69	19.	Weiser	16
*20.	Coeur d'Alene	67	*20.	St. Maries	16
21.	Bear Lake	67	21.	Capital	15
22.	Priest River	67	*22.	Potlatch	14
23.	Timberline	67	23.	Grangeville	13
24.	Kootenai	67	24.	St. Gertrudes Acad.	12
25.	Lapwai	67	25.	Emmett	12

INSTATE HIGH SCHOOL GRADUATES

IN 1970 - 71 JUNIOR CLASS

1970 - 71 Juniors

Idaho State University

	High School	Percent or Index Value
1.	Carey	100
2.	West Jefferson	100
3.	Raft River	100
* 4.	Pocatello	96
* 5.	Highland	96
* 6.	Marsh Valley	82
* 7.	American Falls	79
* 8.	Shelley	77
* 9.	South Fremont	76
*10.	Butte	76
*11.	Snake River	75
12.	Grace	75
13.	North Gem	75
14.	Ririe	75
*15.	Blackfoot	73
*16.	Madison	71
*17.	Bonneville (I.F.)	69
18.	Soda Springs	67
19.	Clark County	67
*20.	Burley	63
21.	Preston	60
22.	Malad	57
23.	Aberdeen	50
*24.	Skyline	50
25.	Challis	50

	High School	Number
* 1.	Pocatello	149
* 2.	Highland	87
3.	Twin Falls	50
4.	Idaho Falls	44
* 5.	Blackfoot	37
* 6.	American Falls	34
* 7.	Burley	33
* 8.	Skyline (I.F.)	27
9.	Minico	27
*10.	Bonneville (I.F.)	20
*11.	Marsh Valley	18
*12.	Snake River	15
*13.	Butte	14
*14.	South Fremont	13
15.	Jerome	12
*16.	Madison	12
17.	Coeur d'Alene	11
18.	Filer	10
*19.	Shelley	10

20-25 under 10 students

1970 - 71 Juniors

Boise State College

	High School	Percent or Index Value
* 1.	Kuna	76
2.	Gem State Acad.	75
3.	Rimrock	75
* 4.	Borah	72
* 5.	Capital	69
6.	Garden Valley	67
7.	Melba	67
* 8.	Boise	66
* 9.	Middleton	65
10.	Wilder	56
*11.	Meridian	61
*12.	Payette	55
*13.	Bishop Kelly	55
14.	McCall	55
*15.	Mountain Home	46
16.	Imac. Heart (Cd'A)	45
17.	Castleford	44
*18.	Nampa	44
19.	Marsing	43
*20.	Caldwell	42
*21.	Buhl	41

	High School	Number
* 1.	Borah	167
* 2.	Boise	141
* 3.	Capital	66
* 4.	Nampa	48
* 5.	Meridian	46
* 6.	Caldwell	36
7.	Twin Falls	33
* 8.	Bishop Kelly	23
9.	Idaho Falls	17
*10.	Mountain Home	17
11.	Emmett	17
12.	Minico	15
*13.	Kuna	13
*14.	Middleton	13
*15.	Payette	11
*16.	Buhl	11

17-21 under 10 students.

Boise State College (Night)

* 1.	Emmett	18
* 2.	Boise	15
3.	Vallivue	14
4.	Glenns Ferry	14
5.	Marsing	14
* 6.	Bishop Kelly	12
7.	Kuna	12
8.	Payette	10
* 9.	Meridian	9

* 1.	Boise	32
2.	Borah	13

3-9 under 10 students.

Lewis Clark State College

1.	Clearwater Valley	62
2.	Kamiah	50
3.	Culdesac	50
* 4.	Grangeville	44
* 5.	Lewiston	44
* 6.	St. Gret. Acad.	39
7.	Kendrick	33
8.	Potlatch	25

* 1.	Lewiston	65
* 2.	Grangeville	12
* 3.	St. Gret. Acad.	11

4-8 under 10 students.

The earlier part of this report focuses on the high ranking high schools with the maximum percentage and student impact on each of the colleges located in the state. The tables with percentage or index values and the actual number of students involved can be compared and evaluated.

It was felt that there might be some merit in uncovering the schools with no or minimal impact on the state colleges and for this purpose two groupings were proposed. Group I schools represent high schools that contribute under 2% or under two students of its college bound population to the college involved. High schools providing no students were not generally listed. The Group II schools are those whose percentage contribution reflects two or more students, but whose total percentage is less than ten of the high school class. (This is still based on the theoretical assumption that all college bound graduates continued at a college in Idaho) To achieve more meaning, there should be a correlation between the real high school class size, the relation between total class and college students, and the instate comparison to the out of state college bound students.

In some ways, Group I represents an index of indifference or non-attraction, but this conclusion must be tempered with the realization that many of the high schools are small, that only a small percentage of their students go to college and that 1970-71 enrollments may not be representative of prior or subsequent years.

This section of the study is highly speculative because it is geared to negative data, and the smallest possible values. Nevertheless, it was decided to include same because it may have some short and long range planning value to the respective state institutions.

LEAST IMPACT INSTATE HIGH SCHOOL CONTRIBUTORS

Based on College Freshman Class 1970-71

(Contributions accounting for under 10% of the high school class attending Idaho Colleges)

Group I represents high schools contributing either under 2 students or less that 1% of the school graduates attending a college at Idaho. There is no significance to the ranking in group I. Group II shows 2 or more students but whose contribution is under 10% of the total for each high school.

Boise State College (Day)

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Marsh Valley	1. Pocatello	1.0	4
Sandpoint	2. Highland	1.3	3
Bonners Ferry	3. Skyline	1.8	3
Butte	4. Coeur d'Alene	1.9	5
Hagerman	5. Kellogg	2.0	2
Troy	6. Moscow	2.9	4
Leadore	7. American Falls	3.0	2
Richfield	8. Snake River	3.9	3
Rockland	9. Jerome	4.8	7
Hansen	10. Shelley	5.1	4
Midvale	11. Bonneville	5.1	8
Eagle	12. Lewiston	5.2	16
Rigby	13. Wallace	6.0	4
Hazelton	14. Twin Falls	6.0	26
	15. South Fremont	6.1	6

LEAST IMPACT INSTATE HIGH SCHOOL CONTRIBUTIONS

University of Idaho

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Marsh Valley	1. Rigby	2.4	2
Snake River	2. Shelley	2.6	2
Garden Valley	3. North Gem	3.0	2
Camas County	4. Madison	3.5	4
Wilder	5. Bonneville (I.F.)	3.8	6
Grace	6. Highland (Pocatello)	4.0	5
Clark County	7. Pocatello	4.0	7
Preston	8. South Fremont	4.0	4
Bliss	9. Wood River	4.3	2
Gem State Academy	10. Teton	4.6	2
Greenleaf Academy	11. Kuna	5.1	2
Notus	12. Twin Falls	5.3	23
Declo	13. Buhl	6.0	6
Oakley	14. Middleton	6.1	2
Raft River	15. Nampa	6.6	18
West Side			
Midway			
Ririe			
Lakeland (Rathdrum)			
Kootenai			
Worley			
IHM (Coeur d'Alene)			
Leadore			
Dietrich			
Richfield			
Sugar-Salem			
Culdesac			
Marsing			
Rockland			
Hansen			
Midvale			
Kingston			
Carey			

LEAST IMPACT INSTATE HIGH SCHOOL CONTRIBUTORS
Based on College Freshman Class 1970-71

Idaho State University

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Meadows Valley	1. Coeur d'Alene	1.5	4
Bear Lake	2. Meridian	1.6	3
St. Maries	3. Lewiston	1.6	5
Graden Valley	4. Emmett	1.8	2
Clark Fork	5. Kellogg	2.0	2
Priest River	6. Sandpoint	2.2	2
Bonners Ferry	7. Sugar-Salem	4.3	2
Wilder	8. Wallace	4.5	3
Middleton	9. Payette	4.5	2
Parma	10. Caldwell	4.9	8
Gem State Academy	11. Kuna	5.1	2
Greenleaf Academy	12. Nampa	5.9	16
Declo	13. Vallivue	7.0	4
Orofino	14. Homedale	7.5	3
Timberline	15. Madison	7.8	9
Elk River			
Grangeville			
Clearwater Valley			
Salmon River			
Midway			
Valley			
Lakeland			
Post Falls			
Kootenai			
Worley			
IHM (Coeur d'Alene)			
Moscow			
Genesee			
Kendrick			
Deary			
Roberts			
St. Gert. Acad.			
Mullan			
Avery			
Castleford			
Murtaugh			
Cascade			
Midvale			
Pierce			
Dietrich			
Lapwai			
Culdesac			
Rimrock			
Troy			
Potlatch			
Leadore			
Nez Perce			
Kamiah			
Highland			
New Plymouth			
Fruitland			

LEAST IMPACT INSTATE HIGH SCHOOL CONTRIBUTORS

Based on College Junior Class 1970-71

University of Idaho

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Kuna	1. Highland (Pocatello)		4
Garden Valley			
Wilder			
Melba			
Clark County			
Elk River			
Declo			
Worley			
Kamiah			
Dietrich			
Culdesac			
Teton			
Wendell			

Idaho State University

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Kuna	1. Lewiston	2.0	3
Bonners Ferry	2. Borah	3.4	8
Middleton	3. Boise	3.8	8
Parma	4. Sandpoint	4.6	2
Vallivue	5. Caldwell	5.9	5
Declo	6. Capital (Boise)	6.3	6
Oakley			
Bliss			
Salmon River			
Kootenai			
Moscow			
Troy			
Richfield			
Rockland			
Wallace			
Teton			
Murtaugh			
Cascade			
Bruneau			
Kimberly			
Pierce			
St. Gertrudes Acad.			
Wendell			

LEAST IMPACT INSTATE HIGH SCHOOL CONTRIBUTORS

Based on College Junior Class 1970-71

Boise State College (Day)

Group I - High Schools	Group II - High Schools	High School Percentage	No. of Students
Firth	1. Pocatello	2.6	4
Sandpoint	2. American Falls	4.6	2
Bonners Ferry	3. Skyline	5.6	3
Camas County	4. Lewiston	6.1	9
Grace	5. Bonneville	6.9	2
North Gem	6. St. Gertrudes Acad.	7.1	2
Declo	7. Blackfoot	7.8	4
Challis	8. St. Maries	9.5	2
North Fremont			
South Fremont			
Bliss			
Clearwater Valley			
Ririe			
Post Falls			
Deary			
Highland			
Richfield			
Sugar-Salem			
Homedale			
Mullan			
Hansen			
Murtaugh			
Cascade			
Midvale			
Nampa College			
Rigby			

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